Manitoba

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Dear Colleague,

Please find attached the Summary of Communicable Diseases for the Month of April 2007. This report reflects the number of cases of reportable communicable diseases for which individuals in Manitoba tested positive* during the month of April 2007.

Communicable Diseases

In total, there were **305** new infections occurring across 19 communicable diseases** (excluding sexually transmitted infections and HIV) in April 2007. The observed numbers of cases were within the expected range for all of the reported communicable diseases with the exception of 140 cases of MRSA with the expected range of 0-116 cases and one case of Rubella with the expected range of 0-0 cases. However, the Rubella case was not actually a clinical case but a cross-reaction to Epstein Barr Virus. The expected number of cases and accompanying range is based on the number of cases during March, April and May 2002-2006.

Both MRSA and Clostridium difficile accounted for 72% of all non-STI/HIV related communicable diseases reported to Manitoba Health. The C. difficile tend to concentrate in the 60+ age group, while cases of MRSA are reported in all age groups.

Sexually Transmitted Infections & Blood-Borne Pathogens

There were **400** cases of sexually transmitted infections (chlamydia, gonorrhoea, and syphilis) in April: 297 cases of chlamydia (Ct), 61 cases of gonorrhoea (GC), 37 GC-Ct co-infections, and 5 cases of syphilis. The 49% of all GC and Ct cases in the province were reported among females of age group 15-24 years. More than half of all GC and Ct cases (57%) were reported for individuals living in the Winnipeg health region, and an additional 14% were from the Burntwood health region.

In April, 20 individuals tested positive for hepatitis C virus in Manitoba, and 70% of them were reported from the Winnipeg health region. About 55% of all HCV positive cases were in the 40-59 years age groups. Four Manitobans, three males and one female, tested positive for HIV in April 2007.

PS: One more male case of HIV was also observed during the month of April 2007, making a total of five cases (4 males and 1 female).

*Note: Data for the monthly summary are aggregated based on the earliest of: symptom onset date, specimen collection date, or report date. For the majority of cases, the date used will be the specimen collection date.

**Note: The following communicable diseases are reportable to the Director of Communicable Disease Control for surveillance purposes, and are not reported out for public health follow-up:

Ascariasis (ICD9: 127.0)
Clostridium difficile (ICD9: 558.2)
Leishmaniasis – unspecified (ICD9: 085.9)
Methicillin or vancomycin resistant staphylococcus aureus (MRSA/VRSA)
Penicillin-resistant streptococcus pneumoniae (ICD9: 481.9)
Schistosomiasis (ICD9: 120)
Streptococcus pneumoniae – other site (ICD9: 041.2)
Strongyloides (ICD9: 127.2)
Vancomycin resistant enterococci (VRE)
Tuberculosis (ICD9: 013, 011, 010 – cases and contacts of tuberculosis are managed by the Provincial Tuberculosis Control Programme located at the Health Sciences Centre)

Please feel free in contacting me should you have any questions about this report.

Thanking you

Dr. Suresh Khatkar
Epidemiologist, Communicable Diseases

SUMMARY OF COMMUNICABLE DISEASE FOR April 2007

ICD9	DISEASE/INFECTION	MONTHLY TOTAL				YEAR-TO-DATE	
		2006	2007	Expected*	Ex. Range**	2006	2007
006.9	AMEBIASIS	7	6	3	0-7	14	14
022	ANTHRAX				***		
127.0	ASCARIASIS			0	0-0		
005.8	B. CEREUS		1	0	0-1		1
320.82	BAC. MENINGITIS - E.COL			0	0-0		
320.0	BAC. MENINGITIS - HAEM			0	0-0		
320.9	BAC. MENINGITIS - OTHER			0	0-1		
320.1	BAC. MENINGITIS - PNEUM			0	0-1	1	1
320.3	BAC. MENINGITIS - STAPH			0	0-1		
320.2	BAC. MENINGITIS - STREP			0	0-1		
320.7	BAC.MENINGITIS-LISTERIA				***		
116.0	BLASTOMYCOSIS				***		7
005.1	BOTULISM				***		
023	BRUCELLOSIS			0	0-0		
005.2	C. PERFRINGENS	1		1	0-3	2	1
008.43	CAMPYLOBACTER	17	11	15	0-30	55	50
558.2	CLOSTRIDIUM DIFFICILE	111	80		***	434	393
046.1	CREUTZFELD-JACOB DISEASE				***		
007.8	CRYPTOSPORIDIOSIS	1	1	2	0-5	7	7
061.0	DENGUE FEVER			0	0-1	2	2
065.4	DENGUE HEMORRHAGIC FEVER			0	0-1		
V02.4	DIPH.CARRIERS			0	0-0		
032	DIPHTHERIA CASES			0	0-0		
123.4	DIPHYLLOBOTHRIUM SPP	2		0	0-1	2	
008.0	E. COLI-VEROTOXIGENIC	7	3	5	0-13	14	6
054.3	ENCEPHALITIS			0	0-1		
005.9	FOOD POISONING OTHER			0	0-0		
007.1	GIARDIA LAMBLIA	9	4	9	4-14	37	26
041.5	H.I.B.-NON MTGS			0	0-2		
041.59	HAEM. INFLUENZAE (non-B)				***		3
480.8	HANTA VIRUS			0	0-0		
283.11	HEMOLYTIC UREMIC SYNDROME			0	0-0		
070.1	HEPATITIS A			3	0-11	4	2
070.3	HEPATITIS B	1	1	1	0-2	3	2
070.51	HEPATITIS C	16	20	38	18-58	84	107
054.8	HERPES-W-UNSPEC COMPL			0	0-1	4	
487.1A	INFLUENZA A		3		***		70
487.1B	INFLUENZA B				***		1
A83.0	JAPANESE ENCEPHALITIS				***		
482.83	LEGIONELLA			0	0-1		
085.9	LEISHMANIASIS			0	0-0		
030.9	LEPROSY	1		0	0-1	1	
027.0	LISTERIA MONOCYTOGENES			0	0-1		
088.81	LYME DISEASE			0	0-0		
084	MALARIA			1	0-3	2	1
055.9	MEASLES			0	0-1		
036.0	MENINGOCOCCAL CSF			0	0-1	1	
036.82	MENINGOCOCCAL ARTHROPATH				***		
036.2	MENINGOCOCCEMIA BLOOD			0	0-1		
B95.6	MRSA	83	140	57	0-116	450	594
072.9	MUMPS			0	0-1		
036.89	N.MENINGITIDIS OTHER		1	0	0-1	2	3
728.86	NECROTIZING FASCIITIS			0	0-1	4	
729.1	NECROTIZING MYOSITIS				***		
323.9	OTHER ENCEPHALITIS			0	0-1		
033.1	PARAPERTUSSIS				***		

* Mean of 15 month totals, from previous, comparable and subsequent months for the past 5 years

** Mean +/- 2 standard deviations of mean

*** Data collected for less than 5 years.

		MONTHLY TOTAL				YEAR-TO-DATE	
ICD9	DISEASE/INFECTION	2006	2007	Expected*	Ex. Range**	2006	2007
002.9	PARATYPHOID			0	0-1		
027.2	PASTEURELLA MULTOCIDA				***		
033.0	PERTUSSIS	1		3	0-8	3	3
038.2	PNEUM. SEPTICEMIA	14	3	8	1-15	42	26
073.9	PSITTACOSIS			0	0-0		
083.0	Q FEVER			0	0-1		
331.81	REYE'S SYNDROME				***		
391	RHEUMATIC FEVER			0	0-0		1
056.9	RUBELLA		1	0	0-0		1
771.0	RUBELLA CONGENTIAL			0	0-0		
041.2	S.PNEUM.OTHER			1	0-4		1
003.0	SALMONELLA	8	20	14	6-22	53	80
120	SCHISTOSOMIASIS			0	0-0		
004	SHIGELLOSIS		2	1	0-3	4	4
050.9	SMALLPOX				***		
005.0	STAPHYLOCOCCAL			0	0-0		
785.5	STAPHYLOCOCCUS AUREUS				***		
481.9	STREP PNEUMONIA - PR			0	0-0		
711.0	STREP.PNEUM.ARTHRITIS	1		0	0-1	1	
580.0	STREPT GLOMERULONEPHRITIS			0	0-0		
040.89	STREPT TOXIC SHOCK			0	0-1		
481	STREPTOCOCCUS PNEUMONIAE			1	0-3		1
127.2	STRONGYLOIDES			0	0-1		6
037	TETANUS			0	0-0		
130.9	TOXOPLASMOSIS			0	0-2		
124	TRICHINOSIS			0	0-0		
086	TRYPANOSOMA CRUZI			0	0-0		
013	TUBERCULOSIS - NON-RESP.	3		2	0-5	13	4
011	TUBERCULOSIS - RESP.	8	5	8	5-11	32	27
010	TUBERCULOSIS-PRIM.	3	1	2	0-8	12	2
021.9	TULAREMIA			0	0-1		
002.0	TYPHOID			0	0-0		
081.9	TYPHUS			0	0-0		
B96.8	VANCOMYCIN R. ENTEROCOCCI	4	2		***	15	17
005.4	VIBRIO PARAHAEMOLYTICUS				***		
070.59	VIRAL HEP. OTHER				***		
047.0	VIPAL MENINGITIS-COXSACK			0	0-0		
047.1	VIRAL MENINGITIS-ECHO			1	0-3	2	
047.8	VIRAL MENINGITIS-ENTERO				***	1	
054.72	VIRAL MENINGITIS-H SIMP			0	0-1		
047.9	VIRAL MENINGITIS-UNSPEC			0	0-0		
B95.7	VRSA			0	0-0		
062.1	W. EQUINE ENCEPHALITIS			0	0-0		
196	WNV ASYMPTOMATIC INFECTION				***		
198	WNV NEUROLOGICAL SYNDROME				***		
197	WNV NON-NEUROLOGICAL SYND				***		
066.3	WNV UNCLASSIFIED				***		
008.44	YERSINIA ENTEROCOLITICA	1		1	0-3	6	3
		299	**305**			**1307**	**1467**

* Mean of 15 month totals, from previous, comparable and subsequent months for the past 5 years

** Mean +/- 2 standard deviations of mean

*** Data collected for less than 5 years.

SUMMARY OF COMMUNICABLE DISEASE BY AGE AND GENDER FOR April 2007

		<1		1 - 4		5 - 9		10 - 14		15 - 19		20 - 24		25 - 29		30 - 39		40 - 49		50 - 59		60 - 69		70 - 79		80 +		Missing	Total
ICD9	Disease Name	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	age/gendr	
006.9	AMEBIASIS													1			1		1		1		1	1					6
005.8	B. CEREUS				1																								1
008.43	CAMPYLOBACTER			1			1								1	2	1		1			2			1	1			11
558.2	CLOSTRIDIUM DIFFICILE	1		2										1	2	4	2	3				6	5	10	8	22	14		80
007.8	CRYPTOSPORIDIOSIS															1													1
008.0	E.COLI 0157			2						1																			3
007.1	GIARDIA LAMBLIA						1	1				1							1										4
070.3	HEPATITIS B																		1										1
070.51	HEPATITIS C												1	1	2	1	1	2	4	1	4		2					1	20
487.1A	INFLUENZA A																				1					1	1		3
B95.6	MRSA	3	5	2	4	11	3	2	5	6	2	2	2	6	5	8	9	3	4	5	12	3	5	4	4	12	13		140
036.89	NEISSERIA MGTS(0ther)				1																								1
056.9	RUBELLA				1																								1
003.0	SALMONELLA	1			2	1				1	1		2	3	1		1	2		1	2			1	1				20
004	SHIGELLOSIS																				1			1					2
038.2	STREP.PNEUMOCOCCAL SEPTIC													1			1									1			3
011	TUBERCULOSIS - RESP.									1						1		1	1		1								5
010	TUBERCULOSIS-PRIM.			1																									1
B96.8	VANCOMYCIN RES. ENTER.										1									1									2
		5	5	8	9	12	5	3	5	9	4	3	5	13	11	17	16	11	13	8	22	11	13	17	14	37	28		305

SUMMARY OF COMMUNICABLE DISEASE BY REGION (RHA) FOR April 2007

ICD9	Disease/Infection	Winnipeg	Brandon	N.Eastman		S.Eastman		Interlake		Central		Assiniboine		Parkland		Norman		Burntwood		Churchill	OOP	Missing	TOTAL
*Case Referred to:**				*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*				
006.9	AMEBIASIS	5							1														6
005.8	B. CEREUS										1												1
008.43	CAMPYLOBACTER	6	2				1								1			1					11
558.2	CLOSTRIDIUM DIFFICILE	53	9		1		1	1	2		2		6		1			1	3				80
007.8	CRYPTOSPORIDIOSIS				1																		1
008.0	E.COLI 0157						1		1				1										3
007.1	GIARDIA LAMBLIA	3																	1				4
070.3	HEPATITIS B	1																					1
070.51	HEPATITIS C	14	2						1								1		1			1	20
487.1A	INFLUENZA A								3														3
B95.6	MRSA	55	1		1			1	6		6		1		7	2	8	47	5				140
036.89	NEISSERIA MGTS(0ther)										1												1
056.9	RUBELLA	1																					1
003.0	SALMONELLA	10	1				2	1	2		3								1				20
004	SHIGELLOSIS	1											1										2
038.2	STREP.PNEUMOCOCCAL SE PTIC	3																					3
011	TUBERCULOSIS - RESP.	3																2					5
010	TUBERCULOSIS-PRIM.																	1					1
B96.8	VANCOMYCIN RES. ENTER.										1				1								2
		155	**15**		**3**		**5**	**3**	**16**		**14**		**9**		**10**	**2**	**9**	**52**	**11**			**1**	**305**
Missing Investigation Forms (Jan.1 to end of March)		76	2		2		11		5		5		11				1	4	3				120

* F=Federal Jurisdiction (includes First Nations and Inuit Health Branch and Stony Mountain Penitentiary) P=Provincial Jurisdiction

STD Infection Summary Report - April 2007

	MONTHLY TOTAL		YEAR-TO-DATE	
DISEASE/INFECTION	**2006**	**2007**	**2006**	**2007**
All Chlamydia Infections	329	334	1441	1498
All Gonorrhea Infections (including PRNG)	131	98	551	402
All Syphilis Infections	3	5	19	15
Gonorrhea & Chlamydia Co-infections	39	37	184	150
Penicillin Resistant Gonorrhea Infections (PRNG)				
Suspect PRNG				
HIV	4	4	28	27

Total Number of STD Cases by Age and Gender - April 2007

	<1		1 - 4		5 - 9		10 - 14		15 - 19		20 - 24		25 - 29		30 - 39		40 - 49		50 - 59		60 - 69		70 - 79		80 +		Missing	Total
Disease Name	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	age/gendr	
Chlamydia Only Cases	1						4		88	21	67	35	24	19	12	15	2	8		1								297
Gonorrhea Only Cases							1		10	6	10	4	7	5	2	8		6		1		1						61
Syphilis Only Cases												1				2		1		1								5
GC and CT Cases					1		1		10	9	4	8	1	1	2													37
	1				1		6		108	36	81	48	32	25	16	25	2	15		3		1						400
HIV															1	2				1								4

Regional STD Distribution - April 2007

Disease/Infection	Winnipeg	Brandon	N.Eastman		S.Eastman		Interlake		Central		Assiniboine		Parkland		Norman		Burntwood		Churchill	OOP	Missing	TOTAL
Case Referred to:*			*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*				
All Chlamydia Infections	184	20	4	11		5	6	13	1	20		6	1	6	3	10	35	7		2		334
All Gonorrhea Infections	62		3				2	1		3		1		2	1	1	18	3		1		98
All Syphilis Infections	4							1														5
GC and CT Infections	22						2	1		3		1			1		4	2		1		37

Missing Investigation Forms (Jan.1 to end of March)	69	36	4	4		5	1	10		5		15	2	5		6	31	5		1		199

* F=Federal Jurisdiction (includes First Nations and Inuit Health Branch and Stony Mountain Penitentiary) P=Provincial Jurisdiction